## **CLAIMS**

## What is claimed is:

- 1. A light-activated illuminating device comprising a support member and a phosphorescent material supported by the support member,
- wherein the support member and the phosphorescent material are so formed to provide a luminescent image that has a varying luminescent effect after the phosphorescent material is exposed to a light source.
  - 2. The device of claim 1 further comprising a light source adapted to emit a light of a uniform intensity.
- The device of claim 2, wherein the light source emits a UV-LED light.
  - 4. The device of claim 1, wherein
    the support member comprises an enclosed container; and
    the phosphorescent material is loosely held in the enclosed container and can
    freely move therein;
  - whereby the luminescent image formed is variable in its pattern after the light source is removed.
    - 5. The device of claim 3, wherein the container is half-filled with the phosphorescent material.
- 6. The device of claim 3, wherein the container is a formed of a transparent vinyl material and comprises a pair of parallel wall members with a gap of 1/8 inch therebetween.
  - 7. The device of claim 6, wherein at least one of the wall members can have a contoured shape.

15

- 8. The device of claim 1, wherein the support member comprises a sheet member divided into a plurality of sub-sections, at least two adjacent sub-sections of the sheet member being coated with different phosphorescent materials.
- 9. The device of claim 8, wherein the sub-sections of the sheet member are coated with phosphorescent materials having different phosphor concentrations, whereby the luminescent image formed has a varying illumination intensity.
  - 10. The device of claim 8, wherein the sub-sections of the sheet member are coated with different phosphorescent materials, whereby the luminescent image formed has a varying color effect.
- 10 11. The device of claim 8, wherein each sub-section is marked to distinguish from an adjacent sub-section.
  - 12. The device of claim 1, wherein the phosphorescent material comprises a strontium aluminate.
    - 13. A toy kit comprising:
- a first light-activated illuminating member comprising a support member and a phosphorescent material supported thereby; and
  - a light source adapted to activate the phosphorescent material;
    wherein the phosphorescent material is adapted to form a luminescent image that has a varying luminescent effect.
- 20 14. The toy kit of claim 13, wherein
  the support member comprises an enclosed container; and
  the phosphorescent material is loosely held in the enclosed container and can
  freely move therein;
- whereby the luminescent image formed is variable in its pattern after the light source is removed.

- 15. The toy kit of claim 13 further comprising a second light-activated illuminating member, which forms a luminescent image having a different luminescent effect from that of the first illuminating member.
- 16. The toy kit of claim 13 further comprising a first cover member for shielding the phosphorescent material from undesired exposure to light.
  - 17. The toy kit of claim 16, wherein the first cover member comprises a countered cut-out portion.
  - 18. The toy kit of claim 16 further comprising a second cover member, wherein the second cover member is joined to the first cover member and movable in relation thereto.
- 10 19. The toy kit of claim 13, wherein the light source is a UV-LED pen.
  - 20. The toy kit of claim 13 further comprising a plurality of tip adapters adapted to be mounted onto the light source to change the shape of light beams emitted from the light source.